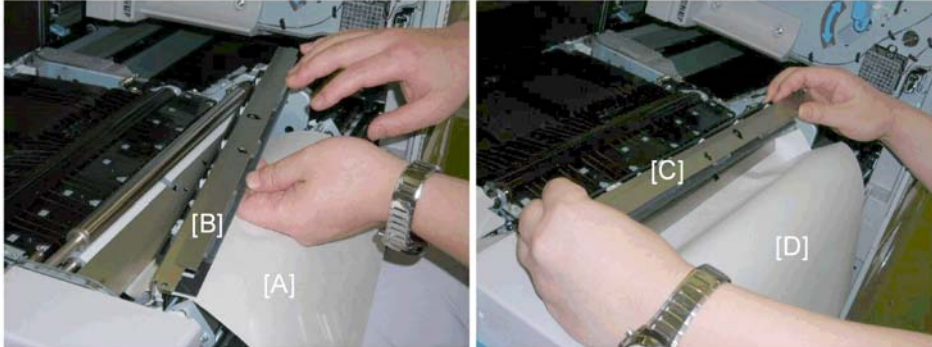


## Image Transfer Unit

### Emptying the Dust Collection Unit

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ra\_0911

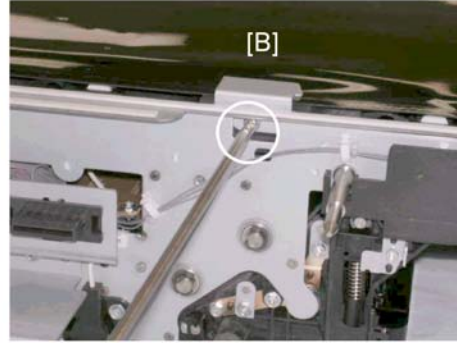
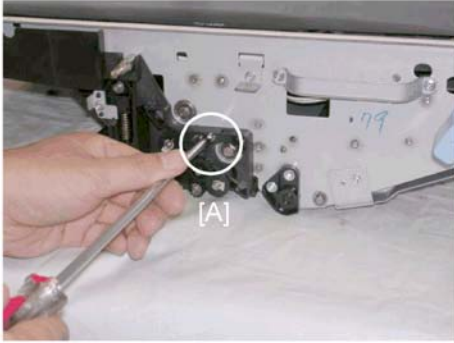
1. Open the front door.
2. Pull out the drawer unit.
3. Insert a sheet of A3 paper [A] under the dust collection unit.
4. Disconnect the dust collection unit [B].
5. Dump the paper dust from the dust collection unit [C] onto the paper [D].
6. Carefully remove the paper and discard.

### Separating the Belt Unit and Belt Cleaning Unit

#### Disassembly and ITB Replacement

1. Put a clean sheet of paper on a flat surface.
2. Remove the ITB from the machine.
3. Place the ITB unit on the sheet of paper.

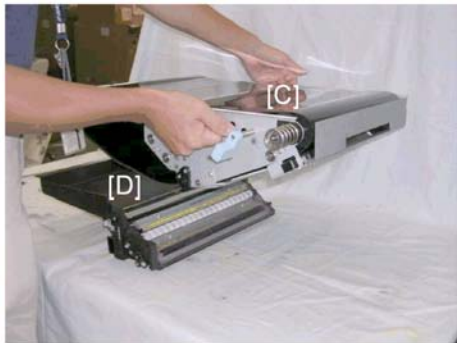
To prevent spilling used toner, always hold the unit level when you remove it, lift it, carry it, or set it down.



ra\_0997

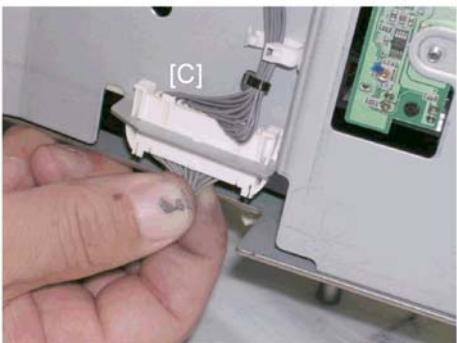
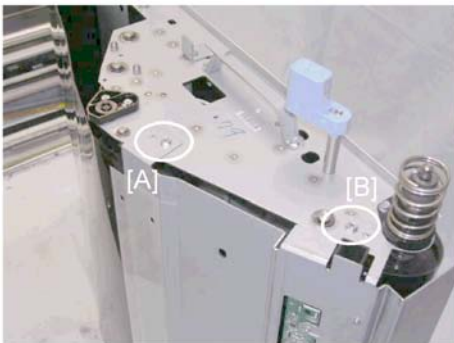
3

4. Remove screws [A] and [B] (⌀ x2).



ra\_1001

5. Pull the ITB cleaning unit [A] forward while pushing the ITB belt unit backward to separate the cleaning unit from the belt unit.
6. Lift the belt unit [C] off the cleaning unit [D].



ra\_1030

7. Remove:
- [A] Screw (⌀ x1)
- [B] Screw (⌀ x1)

8. Disconnect [C] (🔌 x1)

## Reassembling the Belt Unit and Belt Cleaning Unit

### Before You Begin...

Here are some important precautions you should obey when reassembling the ITB Unit.

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ra\_0958

- When you install the new belt, the edge of the belt with the encoder film strip must be at the back of the unit with the image position sensor. The encoder edge of the ITB is silver.



ra\_0960

- Never touch the ITB rollers when removing/installing the belt. If a roller (or the surface of the belt) is touched accidentally, moisten a clean cloth and clean the affected area.



ra\_0959

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- Make sure that the belt is even with the edge of the roller as shown above.



ra\_1026

- When reinstalling the ITB cleaning brush roller, confirm that the seal [A] is on top and visible.
- Always dust the ITB with lubricant powder before reinstalling the ITB unit in the machine.

## Reassembling the Belt Unit and Cleaning Unit

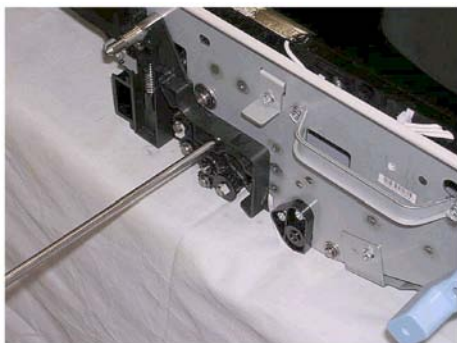


ra\_0952

1. Insert one sheet of A4/LT paper under the lubricant blade as shown to protect the corner seals of the belt cleaning unit.

**★ Important**

- The paper should be under the under the blade as shown above, not over the blade.
2. Lower the belt unit [A] onto the cleaning unit [B].



ra\_1041

3. Reassemble the belt unit and belt cleaning unit.



ra\_1042

4. Set the reassembled ITB unit on end as shown.
5. Pull the paper out slowly.
6. Check the paper.

If the paper is unmarked, go to the next step.

-or-

If the paper is creased or torn, separate the image transfer belt and cleaning unit. Inspect the seal. If the seal is damaged, replace it.

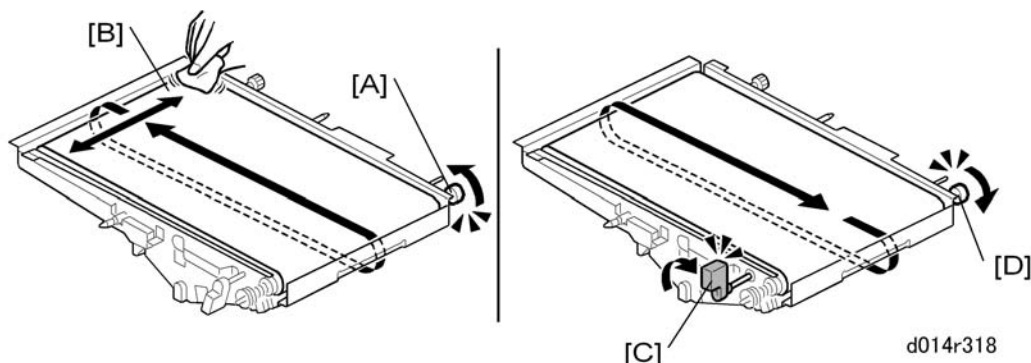
## Dusting the ITB with Lubricant Powder

1. Get a pack of Lubricant Powder B1329700.

- The ITB must be coated with lubricant powder B1329700 before installing a new ITB.
- The lubricant powder (B1329700) (composed of ZnSt) is specially designed for this machine.
- Never use setting powder (54429101) for this machine. Using this setting powder will damage the drum charge roller and cause problems with image quality.

### ★ Important

- Do not use the yellow toner from this machine, because it contains developer, and this will damage the drum and ITB.



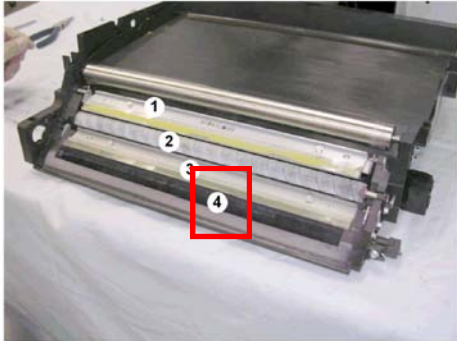
2. While rotating the knob [A] in the direction indicated by the arrow, apply Lubricant Powder B1329700 at [B] with a soft dry cloth.
3. Keep rotating the ITB at [A] while continuing to apply the powder at [B] through one full rotation until the ITB is completely covered with powder.
4. After the ITB has been completely covered with the lubricating powder, turn lever [C] to the up position.
5. After the ITB is completely covered with powder, rotate the knob [D] in the direction indicated by the arrow.
6. Keep rotating the knob at [D] until the ITB has made one full rotation. This reverse rotation covers the edge of the belt cleaning blade with lubrication powder.

## Reinstallation

- Do the forced MUSIC adjustment with SP2111-1.

## ITB Cleaning Unit

This is the ITB cleaning unit with the belt unit removed.



ra\_1003



①	Lubricant Blade
②	Lubricant Brush Roller* 1
③	ITB Cleaning Blade
④	ITB Brush Cleaning Roller

\*1 A lubricant bar is under the lubricant brush roller.

Before servicing the cleaning unit, please note:

- The lubricant blade ① and ITB cleaning blade ③ are not the same, so they are not interchangeable.
- The PM interval of the lubricant blade ① and lubricant brush roller ② pair and the ITB cleaning blade ③ and ITB brush cleaning roller ④ pair is the same (300K). These four items are always replaced together.





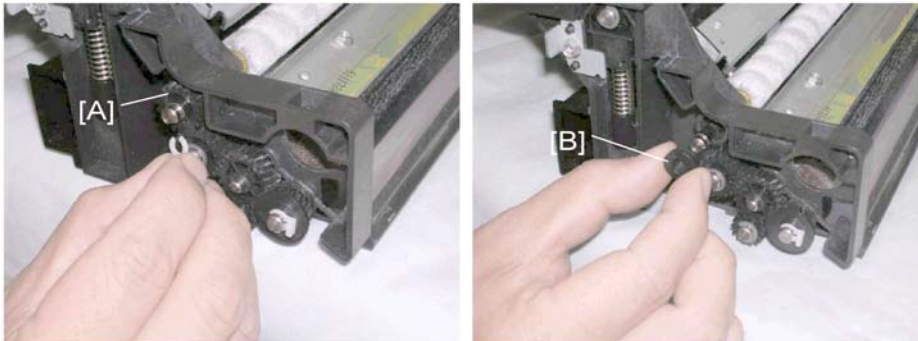
## Lubricant Blade



ra\_1005

1. Remove the screws of the lubricant blade [A] (⌀ x2).
2. Remove the lubricant blade [B].

## Lubricant Brush Roller, Lubricant Bar

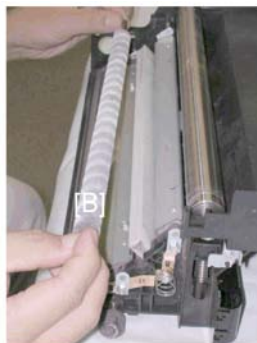
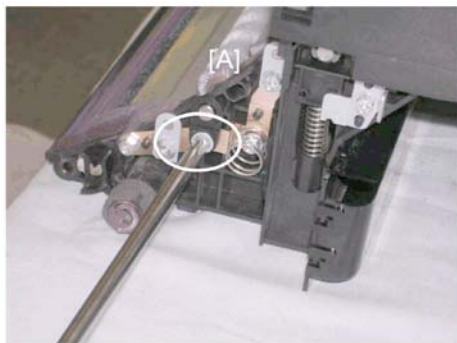


ra\_1008

1. At the back, remove:
  - [A] Gear (⌀ x1)
  - [B] Coupling



3



ra\_1012

2. At the front, remove screw [A] ( $\varnothing$  x1).
3. Remove the lubricant brush roller [B].



ra\_1016

4. Remove the lubricant bar [A]

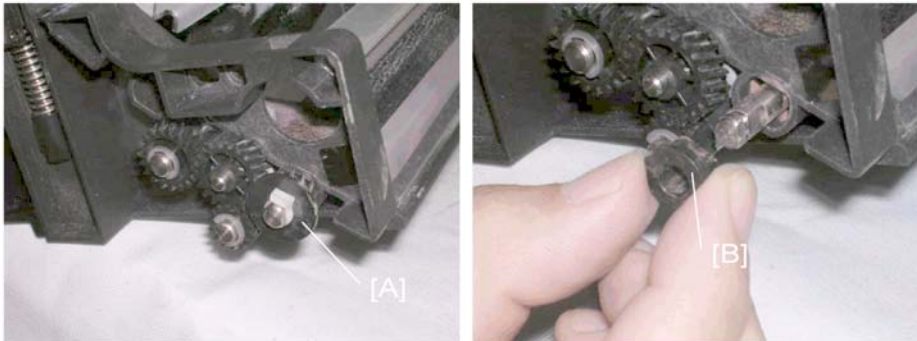
## ITB Cleaning Blade



ra\_1017

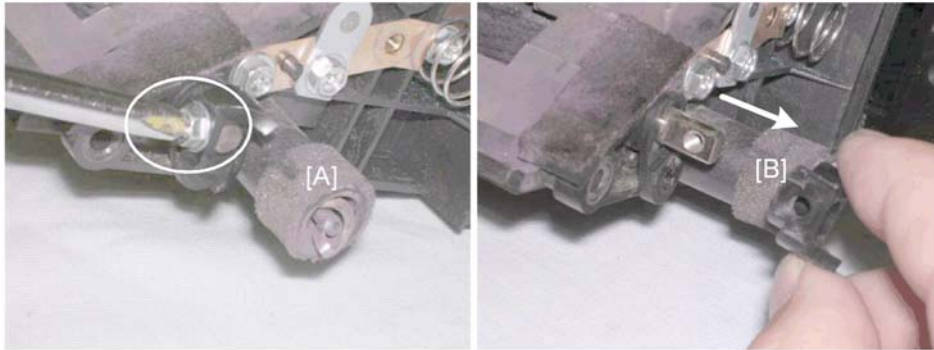
1. Remove the screws of the ITB cleaning blade [A] (⚙️ x2).
2. Remove the ITB cleaning blade [B].

## ITB Brush Cleaning Roller



ra\_1021

1. Remove the ITB cleaning blade (⚙️ x2).
2. At the rear:
  - Remove gear [A] (⚙️ x1).
  - Remove coupling [B].



ra\_1027

3. At the front:

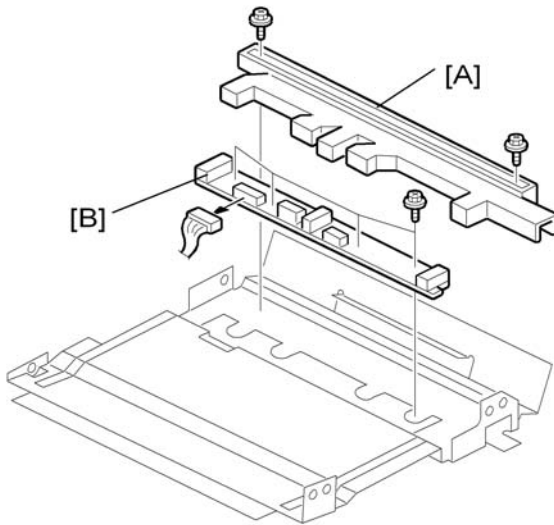
- Remove screw [A] ( $\phi 7$  x1)
- Remove coupling [B].



ra\_1028

4. Remove sponge and seal casing [A].
5. Remove the ITB brush cleaning roller [B].

## MUSIC and ID Sensors



d014r332

### 1. Remove

- ID sensor/MUSIC sensor plate

[A] Cover (⌘ x2)

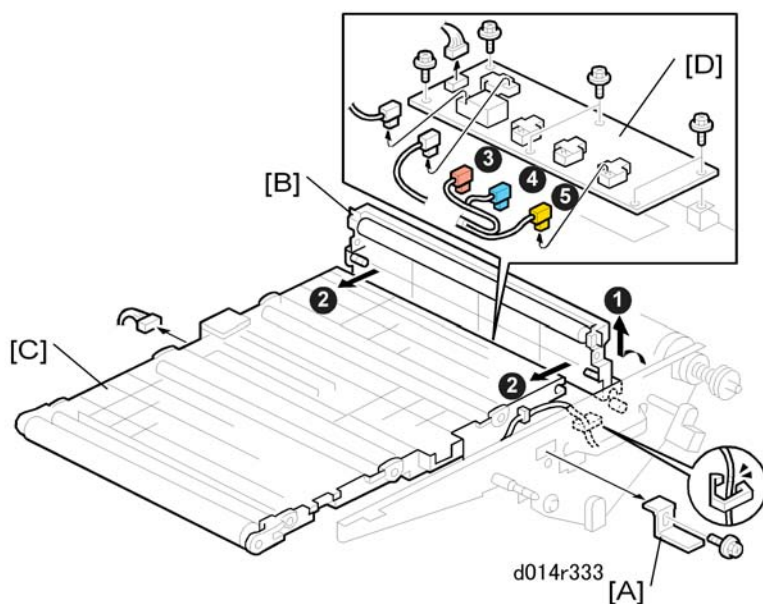
[B] MUSIC and ID sensors (⌘ x4, ⌘ x1)

### Reinstallation

- Do the forced MUSIC adjustment with SP2111-1.

## Image Transfer Power Pack

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### 1. Remove:

- ITB

[A] Support bracket (🔧 x1)

[B] Small idle roller plate

[C] Large idle roller plate

[D] Image transfer power pack (🔧 x6, 📦 x6)

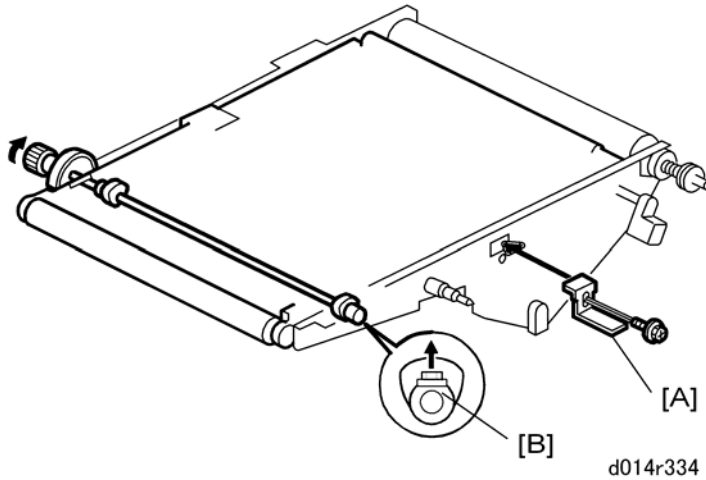
### 2. Note the correct positions of the color coded connectors when you disconnect them, so that you can reconnect them correctly:

③ Red

④ Blue

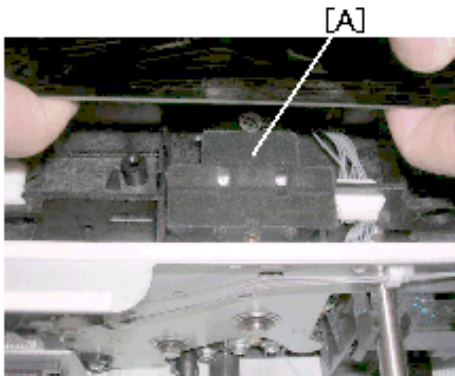
⑤ Yellow

### Reinstallation



- When you reattach the support bracket [A], rotate the screw [B] up as shown, then tighten it.
- Do the forced MUSIC adjustment with SP2111-1.

## Belt Position Sensor



ra\_1044

### 1. Remove:

- ITB

[A] Belt position sensor assembly (🔧 x2, 🛠️ x1)

### Reinstallation

After the reinstallation of the new sensor, do the following SP codes:

- SP2912-1 (Encoder Sn: Adj Light)
- SP2914-1 (Encoder Sn Get 1st Phase)
- SP2111-1 (Forced MUSIC Adjustment)